



-40°C Upright Freezer LUF-B4 Series

-40°C Upright Freezer LUF-B40

-40°C Upright Freezer LUF-B40 is an upright type unit comes with 528 L of capacity and -40°C of cooling performance. Features -20 to -40°C of temperature control range with high-precision microprocessor temperature control system and platinum resistor temperature sensors. Designed with sprayed high quality steel plated housing and galvanized steel sheet interiors, has 2-layer heat insulating foamed door with rotating handle and 3 shelves. Equipped with international branded compressor and powerful EBM fan with large area-finned condenser, has direct cooling method with manual defrost mode. Incorporated with R290 refrigerant and advanced alarm system, has turn-on delay and stopping interval protection function and keyboard lock function with password protection function. With digital display and standard RS485 interface, supports remote alarm contact along with optional chart recorder and printer to facilitate the temperature monitoring and recording.

-40°C Upright Freezer LUF-B41

-40°C Upright Freezer LUF-B41 is an upright type unit comes with 678 L of capacity and -40°C of cooling performance. Features -20 to -40°C of temperature control range with high-precision microprocessor temperature control system and platinum resistor temperature sensors. Designed with sprayed high quality steel plated housing and galvanized steel sheet interiors, has 2-layer heat insulating foamed door with rotating handle and 3 shelves. Equipped with international branded compressor and powerful EBM fan with large area-finned condenser, has direct cooling method with manual defrost mode. Incorporated with R290 refrigerant and advanced alarm system, has turn-on delay and stopping interval protection function and keyboard lock function with password protection function. With digital display and standard RS485 interface, supports remote alarm contact along with optional chart recorder and printer to facilitate the temperature monitoring and recording.

-40°C Upright Freezer LUF-B42

-40°C Upright Freezer LUF-B42 is an upright type unit comes with 778 L of capacity and -40°C of cooling performance. Features -20 to -40°C of temperature control range with high-precision microprocessor temperature control system and platinum resistor temperature sensors. Designed with sprayed high quality steel plated housing and galvanized steel sheet interiors, has 2-layer heat insulating foamed door with rotating handle and 3 shelves. Equipped with international branded compressor and powerful EBM fan with large area-finned condenser, has direct cooling method with manual defrost mode. Incorporated with R290 refrigerant and advanced alarm system, has turn-on delay and stopping interval protection function and keyboard lock function with password protection function. With digital display and standard RS485 interface, supports remote alarm contact along with optional chart recorder and printer to facilitate the temperature monitoring and recording.

-40°C Upright Freezer LUF-B43

-40°C Upright Freezer LUF-B43 is an upright type unit comes with 1008 L of capacity and -40°C of cooling performance. Features -20 to -40°C of temperature control range with high-precision microprocessor temperature control system and platinum resistor temperature sensors. Designed with sprayed high quality steel plated housing and galvanized steel sheet interiors, has 2-layer heat insulating foamed door with rotating handle and 3 shelves. Equipped with international branded compressor and powerful EBM fan with large area-finned condenser, has direct cooling method with manual defrost mode. Incorporated with R290 refrigerant and advanced alarm system, has turn-on delay and stopping interval protection function and keyboard lock function with password protection function. With digital display and standard RS485 interface, supports remote alarm contact along with optional chart recorder and printer to facilitate the temperature monitoring and recording.

FEATURES

- » An upright type unit with different capacities having -40°C of cooling performance
- » -20 to -40°C of temperature control range with microprocessor temperature control system
- » Platinum resistor temperature sensors, ensures precise and uniform temperature
- » Sprayed high quality steel plated housing and galvanized steel sheet interiors
- » 2-layer heat insulating foamed door with rotating handle, easy operation
- » 3 adjustable shelves, organized and efficient storage of different samples
- » International branded compressor and powerful EBM fan with large area-finned condenser
- » Direct cooling method with manual defrost mode, efficient refrigeration conditions
- » R290 refrigerant, energy efficient and environment friendly
- » Advanced alarm system with turn-on delay and stopping interval protection function
- » Keyboard lock function with password protection, prevents unauthorized access
- » Digital display, convenient setting and monitoring of temperature parameters
- » Standard RS485 interface and remote alarm contact, easy and convenient operation
- » Optional chart recorder and printer to facilitate the temperature monitoring and recording.
- » High-efficient, stable and reliable unit for targeted refrigeration of different samples

APPLICATION

-40°C Upright Freezer is used for scientific research, cryogenic test on special materials, low temperature resistance test on biological materials, vaccines, biological products and military products etc. across research institutions, the electronic industry, the chemical industry, hospitals, the health & disease prevention system, laboratories in colleges & universities, military enterprises, etc.

SPECIFICATION

MODEL	LUF-B30	LUF-B41
Cabinet Type	Upright	
Capacity	528 L	678 L
Temperature Range	-20 to -40°C	
Ambient Temperature	16 to 32°C	
Cooling Performance	-40°C	
Cooling Method	Direct cooling	
Defrost Mode	Manual	
Refrigerant	R290	
Climate Class	N	
Controller	Microprocessor	
Display	Digital display	
Compressor	1 pc	2 pcs.
Alarm System	High/Low temperature, High ambient temperature, Power failure, Low battery, Sensor failure, Condenser overheating failure, Door ajar, System failure, Main board communication error, Built-in datalogger USB failure	
External Material	High quality steel plates with spraying	
Internal Material	Galvanized steel sheet	
Insulation thickness	130 mm	
Shelves	3 (stainless steel)	
Casters	4 (2 leveling feet)	
Door lock with Key	Yes	
Access Port	2 pcs. Φ 25 mm	3 pcs. Φ 25 mm
Data Logging/Interval/Recording Time	USB/Record every 10 minute / 2 years	
Backup Battery	Yes	
Power Supply	220 to 240 V, 50 Hz	
Rated Current	4.45 A	8.37 A

Internal Dimension (W×D×H)	585×696×1266 mm	750×696×1286 mm
External Dimension (W×D×H)	930×1041×1947 mm	1090×1025×1955 mm
Packaging Dimension (W×D×H)	1035×1165×2158 mm	1203×1155×2171 mm
Net Weight	234 kg	258 kg
Gross Weight	305 kg	342 kg

SPECIFICATION (LUF-B42 and LUF-B43)

MODEL	LUF-B42	LUF-B43
Cabinet Type	Upright	
Capacity	778 L	1008 L
Temperature Range	-20 to -40°C	
Ambient Temperature	16 to 32°C	
Cooling Performance	-40°C	
Cooling Method	Direct cooling	
Defrost Mode	Manual	
Refrigerant	R290	
Climate Class	N	
Controller	Microprocessor	
Display	Digital display	
Compressor	2 pcs.	
Alarm System	High/Low temperature, High ambient temperature, Power failure, Low battery, Sensor failure, Condenser cooling failure, Door ajar, System failure, Main board communication error, Built-in datalogger USB failure	
External Material	High quality steel plates with spraying	
Internal Material	Galvanized steel sheet	
Insulation thickness	130 mm	
Shelves	3 (stainless steel)	

Casters	4 + (2 leveling feet)	
Door lock with Key	Yes	
Access Port	3 pcs. Φ 25 mm	
Data Logging/Interval/Recording Time	USB/Record every 10 minute / 2 years	
Backup Battery	Yes	
Power Supply	220 to 240 V, 50 Hz	
Rated Current	8.47 A	8.5 A
Internal Dimension (W×D×H)	865×696×1286 mm	1022×696×1378 mm
External Dimension (W×D×H)	1205×1025×1955 mm	1362×1025×2002 mm
Packaging Dimension (W×D×H)	1320×1155×2171 mm	1473×1155×2176 mm
Net Weight	286 kg	320 kg
Gross Weight	386 kg	440 kg

STANDARD ACCESSORIES

Accessories No.	Accessories Name
1	Rs485
2	Remote Alarm Contact

OPTIONAL ACCESSORIES

Accessories No.	Accessories Name
1	Printer
2	Chart Recorder